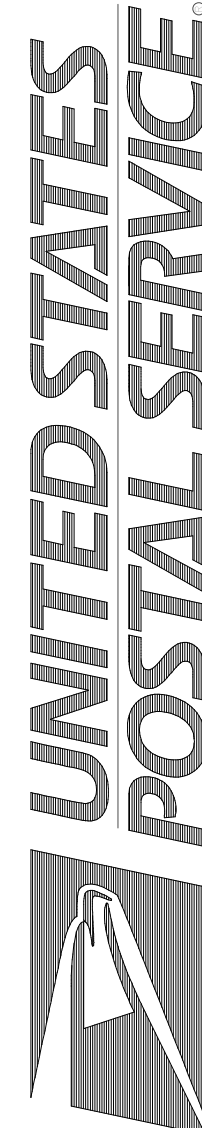


NOT FOR
CONSTRUCTION

DESIGNER	CD
PROJECT MANAGER	DL
JOB NO.	2022359.04

USPS - MID-HUDSON, NY

599 GOVERNOR DRIVE
NEWBURGH, NY 12550



Facilities: 4301 wilson Blvd., suite 300, arlington, va 22203-1861

SPECIAL INSPECTIONS

Revisions: 100% OWNER REVIEW

Date: 02/23/2023

S-002.1

Scale: NTS
Project: USPS - MID-HUDSON, NY
USPS File Number: 355006-G02

SPECIAL INSPECTION AND TESTING:

THIS PROJECT REQUIRES SPECIAL INSPECTION AND TESTING IN ACCORDANCE WITH CHAPTER 17 OF THE INTERNATIONAL BUILDING CODE. THESE NOTES AND THE STATEMENT OF SPECIAL INSPECTIONS PREPARED FOR THE PROJECT OWNER ARE INTENDED TO INFORM THE CONTRACTOR OF THE QUALITY ASSURANCE PROGRAM AND THE EXTENT OF THE CONTRACTOR'S RESPONSIBILITIES.

THE SPECIAL INSPECTIONS AND TESTING PROGRAM:

THE SPECIAL INSPECTION AND TESTING PROGRAM IS A QUALITY ASSURANCE PROGRAM INTENDED TO ENSURE THAT THE WORK IS PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THESE INSPECTIONS ARE IN ADDITION TO THE INSPECTIONS SPECIFIED IN BC SECTION 1704. THE SPECIAL INSPECTION PROGRAM DOES NOT RELIEVE THE CONTRACTOR OF HIS OR HER RESPONSIBILITY TO COMPLY WITH THE OFFICIAL CONTRACT DOCUMENTS. FURTHER, IT IS NOT INTENDED THAT THE CONTRACTOR'S CONTRACTUAL AND STATUTORY OBLIGATIONS ARE ANYWAY RELIEVED OR FOREGONE BY THE PRESENCE OF THE SPECIAL INSPECTOR. THE CONTRACTOR HAS THE SOLE RESPONSIBILITY FOR ANY DEVIATIONS FROM THE OFFICIAL CONTRACT DOCUMENTS. THE SPECIAL INSPECTOR DOES NOT REPLACE THE DUTIES OF THE BUILDING OFFICIAL, NOR THE QUALITY CONTROL RESPONSIBILITIES AND PERSONNEL OF THE CONTRACTOR. JOB SITE SAFETY AND MEANS AND METHODS OF CONSTRUCTION ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.

THE PROJECT OWNER IS RESPONSIBLE FOR EMPLOYING SPECIAL INSPECTION SERVICES. THE SPECIAL INSPECTOR/AGENCY SHALL NOT BE IN THE EMPLOY OF THE CONTRACTOR, SUBCONTRACTOR OR MATERIAL SUPPLIER. BC SEC. 1704.2. IN THE CASE OF AN OWNER/CONTRACTOR, THE SPECIAL INSPECTOR/AGENCY SHALL BE EMPLOYED AS SPECIFIED BY THE BUILDING OFFICIAL.

THE SPECIAL INSPECTOR IS OBLIGATED TO BOTH THE OWNER AND THE BUILDING OFFICIAL FOR OBSERVING THAT THE WORK IS EXECUTED IN SUBSTANTIVE ACCORDANCE WITH THE OFFICIAL CONTRACT DOCUMENTS. THE OFFICIAL CONTRACT DOCUMENTS ARE DEFINED AS THE PERMITTED PLANS AND SPECIFICATIONS, ADDENDA, CHANGE ORDERS, ISSUED SKETCHES AND REVISION DRAWINGS, AND ALL DIRECTIVES ISSUED BY ARCHITECT/ENGINEER.

THE INSPECTION AND TESTING AGENTS SHALL DISCLOSE ANY PAST OR PRESENT BUSINESS RELATIONSHIP OR POTENTIAL CONFLICT OF INTEREST WITH THE CONTRACTOR OR ANY OF THE SUBCONTRACTORS WHOSE WORK IS TO BE INSPECTED OR TESTED. THE SPECIAL INSPECTORS MAY HAVE NO FINANCIAL INTEREST IN PROJECTS FOR WHICH THEY PROVIDE SPECIAL INSPECTION SERVICES.

SPECIAL INSPECTION REPORT REQUIREMENTS:

SPECIAL INSPECTION REPORTS AND A FINAL REPORT IN ACCORDANCE WITH SECTION 1704.2.4 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF THE WORK IS APPROVED FOR OCCUPANCY.

REPORT REQUIREMENT: SPECIAL INSPECTORS SHALL KEEP RECORDS OF ALL INSPECTIONS AND TESTS. THE SPECIAL INSPECTOR SHALL FURNISH THE INSPECTION REPORTS TO THE BUILDING OFFICIAL, AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE. REPORTS SHALL INDICATE THAT THE WORK INSPECTED WAS OR WAS NOT COMPLETED IN CONFORMANCE TO THE APPROVED CONSTRUCTION DOCUMENTS. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THEY ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK. A FINAL REPORT DOCUMENTING THE REQUIRED SPECIAL INSPECTIONS, TESTS, AND CORRECTION OF ANY OF THE DISCREPANCIES NOTED IN THE INSPECTIONS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF THE WORK IS APPROVED FOR OCCUPANCY.

CONTRACTOR RESPONSIBILITIES:

THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE SPECIAL INSPECTOR IN ADVANCE OF CONSTRUCTION SCHEDULES AND PLANNED OPERATIONS IN ORDER TO ASSURE TIMELY AND APPROPRIATE INSPECTION FOR THE ITEMS LISTED IN THE SCHEDULE OF SPECIAL INSPECTIONS. THE CONTRACTOR SHALL PROVIDE ADEQUATE NOTICE TO THE SPECIAL INSPECTOR FOR ALL INSPECTIONS.

THE CONTRACTOR SHALL COOPERATE WITH AND ASSIST THE SPECIAL INSPECTOR IN PERFORMING HIS INSPECTION DUTIES. THE SPECIAL INSPECTOR SHALL HAVE FREE ACCESS TO THE PROJECT AT ALL TIMES. THE CONTRACTOR SHALL REVIEW THE SPECIAL INSPECTION PLAN AND COORDINATE THE SCHEDULE OF WORK TO ACCOMMODATE THE REQUIRED INSPECTIONS.

PROVIDE ACCESS TO APPROVED PLANS: THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING THE SPECIAL INSPECTOR ACCESS TO APPROVED PLANS. THE CONTRACTOR SHALL MAINTAIN A CURRENT SET OF THE CONTRACT DOCUMENTS AT THE JOB SITE.

CORRECT DISCREPANCIES AND DEVIATIONS: THE CONTRACTOR SHALL, UPON BEING INFORMED BY THE SPECIAL INSPECTOR, IMMEDIATELY CAUSE TO ELIMINATE SUCH DISCREPANCIES AND DEVIATIONS.

WORK COMPLETED WITHOUT INSPECTION: WORK REQUIRING INSPECTION WHICH IS COMPLETED WITHOUT INSPECTION WILL BE REJECTED SOLELY ON THAT BASIS.

RETAIN SPECIAL INSPECTION RECORDS: THE CONTRACTOR IS ALSO RESPONSIBLE FOR RETAINING AT THE JOB SITE ALL SPECIAL INSPECTION RECORDS COMPLETED BY THE SPECIAL INSPECTOR.

COORDINATE AND SUBMIT: THE CONTRACTOR IS RESPONSIBLE FOR PREPARING AND SUBMITTING TO THE BUILDING OFFICIAL AND THE OWNER A STATEMENT OF CONTRACTOR RESPONSIBILITY, BC SECTION 1704.4, FOR THEMSELVES AND FOR SUBMITTING A STATEMENT OF CONTRACTOR RESPONSIBILITY FOR EACH STRUCTURAL COMPONENT SUBCONTRACTOR. THE STATEMENTS OF RESPONSIBILITY SHALL BE SUBMITTED PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT.

- THE STATEMENT OF CONTRACTOR RESPONSIBILITY SHALL CONTAIN THE FOLLOWING:
 - ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL INSPECTION REQUIREMENTS CONTAINED IN THE QUALITY ASSURANCE PLAN.
 - ACKNOWLEDGEMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.
 - PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING, AND THE DISTRIBUTION OF THE REPORTS.
 - IDENTIFICATION AND QUALIFICATIONS OF THE PERSONS EXERCISING SUCH CONTROL AND THEIR POSITIONS IN THE ORGANIZATION.
- STRUCTURAL COMPONENT SUBCONTRACTORS INCLUDE BUT ARE NOT LIMITED TO STRUCTURAL STEEL FABRICATORS AND ERECTORS, COMPONENT FABRICATORS SUCH AS STEEL JOISTS, METAL OR WOOD TRUSSES, CONCRETE, AND MASONRY CONTRACTORS.
- AT THE COMPLETION OF STRUCTURAL COMPONENT FABRICATION, THE FABRICATORS SHALL SUBMIT A CERTIFICATE OF COMPLIANCE STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COSTS OF:

RETESTING AND REINSPECTION OF MATERIALS, WORK, AND/OR PRODUCTS THAT DO NOT MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND SHOP DRAWINGS/SUBMITTAL DATA.

REVIEW OF PROPOSED REPAIR AND/OR REPLACEMENT PROCEDURES BY THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE AND THE INSPECTORS AND TESTING AGENCIES.

REPAIR OR REPLACEMENT OF WORK THAT DOES NOT MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

THE CONTRACTOR IS RESPONSIBLE FOR THE TRAVEL COSTS OF THE SPECIAL INSPECTOR OR AGENTS WHEN SHOP INSPECTION IS REQUIRED OF A NON-APPROVED STRUCTURAL COMPONENT FABRICATOR.

INSPECTION OF FABRICATION:

WHERE FABRICATION OF STRUCTURAL LOAD BEARING, OR LATERAL LOAD RESISTING MEMBERS OR ASSEMBLIES ARE PERFORMED ON THE PREMISES OF THE FABRICATOR, THE SHOP FABRICATION REQUIRES SPECIAL INSPECTION DURING THE FABRICATION OF ITEMS FOR THIS PROJECT.

EXEMPTION:

FABRICATORS APPROVED BY THE BUILDING OFFICIAL ARE EXEMPT FROM THE ON PREMISE INSPECTION. THE APPROVAL BY THE BUILDING OFFICIAL OF ANY FABRICATOR SHOULD BE PROPERLY DOCUMENTED PRIOR TO THE COMMENCEMENT OF FABRICATION. EXEMPTION WILL BE PROVIDED TO FABRICATORS WHO PROVIDE PROOF OF CERTIFICATION BY A NATIONALLY RECOGNIZED GOVERNING ASSOCIATION WHICH PERFORMS PERIODIC INSPECTIONS AND MAINTAINS QUALITY ASSURANCE CRITERIA.

EXAMPLES ARE: ALSO CERTIFICATION FOR A STEEL FABRICATOR, SJ CERTIFICATION FOR A STEEL JOIST MANUFACTURER, WTC AND TPI CERTIFICATION FOR A PRE-ENGINEERED WOOD TRUSS MANUFACTURER.

AT THE COMPLETION OF FABRICATION, THE FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE BUILDING OFFICIAL, STATING THAT THE WORK WAS PERFORMED IN ACCORDANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.

STEEL INSPECTION AND TESTING NOTES:

STRUCTURAL STEEL TESTING AND INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE REFERENCED STANDARDS AND THE SCHEDULE OF SPECIAL INSPECTIONS.

FIELD BOLTED CONNECTIONS WILL BE TESTED AND INSPECTED ACCORDING TO RCSC'S "SPECIFICATION FOR STRUCTURAL JOINTS" USING ASTM A550 OR A440 BOLTS."

FIELD WELDS SHALL BE INSPECTED AND TESTED ACCORDING TO AWS D1.1. IN ADDITION TO VISUAL INSPECTION, WELDED MOMENT CONNECTIONS WILL BE TESTED BY ULTRASONIC, ASTM E164, OR OTHER AWS APPROVED METHOD.

MASONRY INSPECTION AND TESTING NOTES:

CONCRETE MASONRY TESTING AND INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF TMS 402, TMS 602 AND THE SCHEDULE OF SPECIAL INSPECTIONS. INSPECTION SHALL INCLUDE GENERAL INSPECTION OF WORK IN PROGRESS TO CONFIRM THAT MATERIALS, CONSTRUCTION, AND WORKMANSHIP ARE IN COMPLIANCE WITH PLANS, SPECIFICATIONS AND GOOD CONSTRUCTION PRACTICES. ADDITIONALLY, MORTAR SHALL BE SAMPLED AND TESTED IN ACCORDANCE WITH ASTM C780 ANNEX A6. EACH TEST SHALL CONSIST OF THREE SPECIMENS.

FREQUENCY OF TESTING: AT THE BEGINNING OF MASONRY CONSTRUCTION AND FOR EVERY 5000 SQUARE FEET OF MASONRY INSTALLED THEREAFTER.

COLD WEATHER = LESS THAN 40 DEGREES FAHRENHEIT
HOT WEATHER = GREATER THAN 80 DEGREES FAHRENHEIT

INSPECTOR TO BE CERTIFIED BY THE INTERNATIONAL CODE COMMISSION.

OTHER REQUIRED INSPECTIONS:

THE REQUIREMENTS OF SPECIAL INSPECTIONS AND TESTING IN ACCORDANCE OF THE INTERNATIONAL BUILDING CODE ARE MINIMUM REQUIREMENTS AND DO NOT LIMIT THE REQUIREMENTS FOR THE CONTRACTOR TO PROVIDE OTHER QUALITY CONTROL INSPECTIONS AND TESTING REQUIRED BY THE OWNER, CONTRACT DOCUMENTS, OR OTHER GOVERNING AUTHORITIES HAVING JURISDICTION.

SCHEDULE OF SPECIAL INSPECTIONS

1704.2.5 INSPECTION OF FABRICATORS

MATERIAL/ACTIVITY	SERVICE	APPLICABLE TO PROJECT	
		Y/N	EXTENT
VERIFY FABRICATION/QUALITY CONTROL PROCEDURES	IN-PLANT REVIEW (3) DURING FABRICATION	Y	SPECIAL INSPECTIONS ARE NOT REQUIRED WHERE THE FABRICATOR IS REGISTERED AND APPROVED IN ACCORDANCE WITH SECTION 1704.2.1.

1705.2 STEEL CONSTRUCTION

MATERIAL/ACTIVITY	SERVICE	APPLICABLE TO PROJECT	Y/N	EXTENT
1. FABRICATOR AND ERECTOR DOCUMENTS (VERIFY REPORTS AND CERTIFICATES AS LISTED IN ABC 360, CHAPTER 8, SECTIONAL PARAGRAPHS 2 FOR COMPLIANCE WITH CONSTRUCTION DOCUMENTS)	SUBMITTAL REVIEW	Y	Y	EACH SUBMITTAL
2. MATERIAL: INSPECTION OF STRUCTURAL STEEL, HIGH-STRENGTH BOLTS, NUTS, WASHERS AND WELD FILLER MATERIALS	SHOP (3) AND FIELD INSPECTION	Y	PERIODIC	
3. EMBEDMENTS, VERIFY DIAMETER, GRADE, TYPE, LENGTH AND EMBEDMENT (SEE 1705.3 FOR ANCHORS)	FIELD INSPECTION	Y	PERIODIC	
4. VERIFY MEMBERS LOCATIONS, BRACES, STIFFENING AND APPLICATION OF JOINT DETAILS AT EACH CONNECTION COMPARE WITH CONSTRUCTION DOCUMENTS	FIELD INSPECTION	Y	PERIODIC	
5. STRUCTURAL STEEL WELDING				
6. INSPECTION TASKS PRIOR TO WELDING (OBSERVE, OR PERFORM FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN ABC 360, TABLE NS-6.1)	SHOP (3) AND FIELD INSPECTION	Y	OBSERVE OR PERFORM AS NOTED (4)	
7. INSPECTION TASKS DURING WELDING (OBSERVE, OR PERFORM FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN ABC 360, TABLE NS-6.2)	SHOP (3) AND FIELD INSPECTION	Y	OBSERVE (4)	
8. INSPECTION TASKS AFTER WELDING (OBSERVE, OR PERFORM FOR EACH WELDED JOINT OR MEMBER, THE QA TASKS LISTED IN ABC 360, TABLE NS-6.3)	SHOP (3) AND FIELD INSPECTION	Y	OBSERVE OR PERFORM AS NOTED (4)	
9. NONDESTRUCTIVE (NDT) TESTING OF WELDED JOINTS (ABC 360, NS-6.3)				
10. USE OF QUALIFIED NONDESTRUCTIVE TESTING PERSONNEL	PERFORMED			
11. COMPLETE PENETRATION GROOVE WELDS 5/16" OR GREATER IN RISK CATEGORY 1	SHOP (3) OR FIELD (4) TENSILE TESTING - 20% OF WELDS MINIMUM	Y	PERFORM	
12. WELDED JOINTS SUBJECT TO FATIGUE	DT AND UT SHALL BE PERFORMED ON 10% OF WELDED JOINTS IDENTIFIED AS BEING SUBJECT TO FATIGUE	Y	PERFORM	
13. WELDED TAP REMOVAL SITES	AT THE END OF WELDS WHERE WELD TAPES HAVE BEEN REMOVED, ULTRASONIC TESTING SHALL BE PERFORMED ON THE SAME BEAM TO COLUMN JOINTS BEGINNING 4 FT.	Y	PERFORM	
14. FABRICATOR NOT REPORTS WHEN FABRICATORS PERFORMS NDT	VERIFY REPORTS	Y	EACH SUBMITTAL (5)	
15. STRUCTURAL STEEL BOLTING	SHOP (3) AND FIELD INSPECTION			
16. INSPECTION TASKS PRIOR TO BOLTING (OBSERVE, OR PERFORM TASKS FOR EACH BOLTED CONNECTION IN ACCORDANCE WITH QA TASKS LISTED IN ABC 360, TABLE NS-6.4)	SHOP (3) AND FIELD INSPECTION		OBSERVE OR PERFORM AS NOTED (4)	
17. INSPECTION TASKS DURING BOLTING (OBSERVE THE QA TASKS LISTED IN ABC 360, TABLE NS-6.2)			OBSERVE (4)	
18. PRE-TENSIONED AND SL-CPITICAL JOINTS				
19. TURN-OF-BUT METHOD (MATCH-MARKING)				
20. DIRECT TENSION INDICATOR		Y	PERIODIC	
21. TWIST-OFF TYPE TENSION CONTROL BOLT		Y	PERIODIC	
22. SNUG-TIGHT JOINTS		Y	PERIODIC	
23. INSPECTION TASKS AFTER BOLTING (PERFORM TASKS FOR EACH BOLTED CONNECTION IN ACCORDANCE WITH QA TASKS LISTED IN ABC 360, TABLE NS-6.5)	SHOP (3) AND FIELD INSPECTION AND TESTING	Y	PERFORM (4)	

1705.2.2 COLD FORMED STEEL DECK

TASK		Y/N	EXTENTS
A	VERIFY COMPLIANCE OF MATERIAL, DECK AND ALL DECK ACCESSORIES WITH CONSTRUCTION DOCUMENTS, INCLUDING PROFILES, MATERIAL PROPERTIES AND BASE METAL THICKNESS.	Y	EACH SUBMITTALS
B	DOCUMENT ACCEPTANCE OR REJECTION OF DECK AND DECK ACCESSORIES	Y	EACH SUBMITTALS
TABLE 1.2 INSPECTION OR EXECUTION TASKS AFTER DECK PLACEMENT			
TASK		Y/N	EXTENTS
A	VERIFY COMPLIANCE OF DECK AND ALL DECK ACCESSORIES INSTALLATION WITH CONSTRUCTION DOCUMENTS.	Y	PERIODIC
B	VERIFY DECK MATERIALS ARE REPRESENTED BY THE MALL CERTIFICATIONS THAT COMPLY WITH THE CONSTRUCTION DOCUMENTS.	Y	PERIODIC
C	DOCUMENT ACCEPTANCE OR REJECTION OF INSTALLATION OF DECK AND DECK ACCESSORIES	Y	PERIODIC
TABLE 1.3 INSPECTION OR EXECUTION TASKS PRIOR TO WELDING			
TASK		Y/N	EXTENTS
A	WELDING PROCEDURE SPECIFICATIONS (WPS) AVAILABLE	Y	PERIODIC
B	MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	Y	PERIODIC
C	MATERIAL IDENTIFICATION (TYPE/GRADE)	Y	PERIODIC
D	CHECK WELDING EQUIPMENT	Y	PERIODIC
TABLE 1.4 INSPECTION OR EXECUTION TASKS DURING WELDING			
TASK		Y/N	EXTENTS
A	USE OF QUALIFIED WELDERS	Y	PERIODIC
B	CONTROL AND HANDLING OF WELDING CONSUMABLES	Y	PERIODIC
C	ENVIRONMENTAL CONDITIONS (WIND SPEED, MOISTURE, TEMPERATURE)	Y	PERIODIC
D	WPS FOLLOWED	Y	PERIODIC
TABLE 1.5 INSPECTION OR EXECUTION TASKS AFTER WELDING			
TASK		Y/N	EXTENTS
A	VERIFY SIZE AND LOCATION OF WELDS, INCLUDING SUPPORT, SIDE LAP AND PERIMETER WELDS	Y	PERIODIC
B	WELDS MEET VISUAL ACCEPTANCE CRITERIA	Y	PERIODIC
C	VERIFY REPAIR ACTIVITIES	Y	PERIODIC
D	DOCUMENT ACCEPTANCE OR REJECTION OF WELDS	Y	PERIODIC
TABLE 1.6 INSPECTION OR EXECUTION TASKS PRIOR TO MECHANICAL FASTENING			
TASK		Y/N	EXTENTS
A	MANUFACTURER INSTALLATION INSTRUCTIONS AVAILABLE FOR MECHANICAL FASTENERS	Y	PERIODIC
B	PROPER TOOLS AVAILABLE FOR FASTENER INSTALLATION	Y	PERIODIC
C	PROPER STORAGE FOR MECHANICAL FASTENERS	Y	PERIODIC
TABLE 1.7 INSPECTION OR EXECUTION TASKS DURING MECHANICAL FASTENING			
TASK		Y/N	EXTENTS
A	FASTENERS ARE POSITIONED AS REQUIRED	Y	PERIODIC
B	FASTENERS ARE INSTALLED IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS	Y	PERIODIC
TABLE 1.8 INSPECTION OR EXECUTION TASKS AFTER MECHANICAL FASTENING			
TASK		Y/N	EXTENTS
A	CHECK SPACING, TYPE AND INSTALLATION OF SUPPORT FASTENERS	Y	PERIODIC
B	CHECK SPACING, TYPE AND INSTALLATION OF SIDE LAP FASTENERS	Y	PERIODIC
C	CHECK SPACING, TYPE AND INSTALLATION OF PERIMETER FASTENERS	Y	PERIODIC
D	VERIFY REPAIR ACTIVITIES	Y	PERIODIC
E	DOCUMENT ACCEPTANCE OR REJECTION OF MECHANICAL FASTENERS	Y	PERIODIC

1705.2.3 OPEN-WEB STEEL JOIST AND JOIST GRIDDERS

TYPE	APPLICABLE TO PROJECT		REFERENCED STANDARD
	Y/N	EXTENT	
1. INSTALLATION OF OPEN-WEB STEEL JOISTS AND JOIST GRIDDERS	Y		
A. END CONNECTIONS - WELDED OR BOLTED	Y	PERIODIC	SJI SPECIFICATIONS LISTED IN SECTION 2007.1
B. BRIDGING - HORIZONTAL OR DIAGONAL	Y	PERIODIC	SJI SPECIFICATIONS LISTED IN SECTION 2007.1
C. BRIDGING THAT DIFFERS FROM THE SJI SPECIFICATIONS LISTED IN SECTION 2007.1	Y	PERIODIC	

1705.3 CONCRETE CONSTRUCTION

MATERIAL/ACTIVITY	APPLICABLE TO PROJECT	Y/N	EXTENT	REFERENCED STANDARD	IBC REFERENCE
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS AND VERIFY PLACEMENT	Y	PERIODIC	ACI 318 CH 18, 20.2, 25.3, 26.6.1-26.6.3		1008.4
2. REINFORCING BAR WELDING	Y	PERIODIC	ACI 318 CH 19, 26.6.3, 26.6.4		
3. VERIFY WELDABILITY OF REINFORCING BARS OTHER THAN ASTM A706	Y	PERIODIC	ACI 318, 26.6.4		
4. INSPECT SINGLE-LAP LAPS, PASS FILET WELDS, MAX. 5/16"	Y	PERIODIC	CONTINUOUS		
5. INSPECT ALL OTHER WELDS	Y	PERIODIC	ACI 318, 17.6.2		
6. INSPECT ANCHORS CAST IN CONCRETE	Y	PERIODIC	ACI 318, 17.6.2		
7. INSPECT ANCHORS POST-INSTALLED IN HARDENED CONCRETE MEMBERS	Y	CONTINUOUS	ACI 318, 17.6.2.4		
8. ADHESIVE ANCHORS INSTALLED IN HORIZONTAL OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS	Y	PERIODIC	ACI 318, 17.6.2		
9. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT IDENTIFIED IN 8.	Y	PERIODIC	ACI 318 CH 19, 26.6.3, 26.6.4	1904.1, 1904.2	
10. VERIFY USE OF DESIGNED DESIGN MIX	Y	PERIODIC	ACI 318 CH 19, 26.6.3, 26.6.4	1904.2, 1904.3	
11. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	Y	CONTINUOUS	ASTM C172, ASTM C91	1008.10	
12. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	Y	CONTINUOUS	ACI 318, 26.5	1906.8, 1906.9	
13. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUE	Y	PERIODIC	ACI 318, 26.5.3-26.5.5	1008.9	
14. INSPECT PRESTRESSED CONCRETE FOR: A. APPLICATION OF PRESTRESSING FORCES B. CRACKING OR EXCESSIVE PRESTRESSING TENSIONS	N	CONTINUOUS	ACI 318, 26.10		
15. INSPECT ERECTION OF PRECAST CONCRETE MEMBERS	N	PERIODIC	ACI 318, CH 36.9		
16. VERIFY IN-SITU CONCRETE STRENGTH, PRIOR TO STRESSING OF TENDONS AND POST-TENSIONING CONCRETE AND PRIOR TO REMOVAL OF SHORES AND FORMS PRIOR TO CASTING OF CONCRETE	N	PERIODIC	ACI 318, 26.11.2		
17. INSPECT FORMWORK FOR SHAPE, LOCATION, AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	Y	PERIODIC	ACI 318, 26.11.1-20)		
18. CONCRETE STRENGTH TESTING AND VERIFICATION OF COMPLIANCE WITH CONSTRUCTION DOCUMENTS	Y	PERIODIC			

FOR 8 INCH + 25.4MM.
A) FREQUENCY REFERS TO THE FREQUENCY OF INSPECTION, WHICH MAY BE CONTINUOUS DURING THE LISTED TASK OR PERIODICALLY DURING THE LISTED TASK AS DEFINED IN THIS TABLE. MINIMUM REQUIRED: P=PERIODIC, C=CONTINUOUS.
B) REQUIRED AFTER THE FIRST 5000 SQUARE FEET OF AAC MASONRY.
C) REQUIRED AFTER THE FIRST 5000 SQUARE FEET OF AAC MASONRY.

- NOTES:
- THE INSPECTION AND TESTING AGENT OR AGENTS, SHALL BE ENGAGED BY THE OWNER OR THE OWNER'S AGENT, AND NOT BY THE CONTRACTOR OR SUBCONTRACTOR. INSPECTION AND TESTING SHALL BE PERFORMED PRIOR TO THE APPROVAL OF THE BUILDING OFFICIAL. THE BUILDING OFFICIAL, PRIOR TO COMMENCING WORK, THE QUALIFICATIONS OF THE SPECIAL INSPECTOR AND/OR TESTING AGENCIES MAY BE SUBJECT TO THE APPROVAL OF THE BUILDING OFFICIAL OR THE DESIGN PROFESSIONAL.
 - SUBMIT A LIST OF THE SPECIAL INSPECTORS ON A SEPARATE DOCUMENT TO THE BUILDING OFFICIAL, AND THE DESIGN PROFESSIONAL.
 - SPECIAL INSPECTIONS AS REQUIRED BY SECTION 1704.2.5 ARE NOT REQUIRED WHERE THE FABRICATOR IS APPROVED IN ACCORDANCE WITH BC SECTION 1704.2.1.
 - OBSERVE ON A RANDOM BASIS, OPERATIONS NEED NOT BE DELAYED PENDING THESE INSPECTIONS. PERFORM THESE TASKS FOR EACH WELDED JOINT, BOLTED CONNECTION, OR STEEL ELEMENT.
 - NOT OF WELDS COMPLETED IN AN APPROVED FABRICATOR'S SHOP MAY BE PERFORMED BY THAT FABRICATOR WHEN APPROVED BY THE AUI. REFER TO ABC 360, 107.

- DEFINITIONS:
- SPECIAL INSPECTION: INSPECTION OF CONSTRUCTION REQUIRING THE EXPERTISE OF AN APPROVED SPECIAL INSPECTOR IN ORDER TO ENSURE COMPLIANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.
 - SPECIAL INSPECTION: QUALIFIED FIRM OR INDIVIDUAL RESPONSIBLE FOR PERFORMING SPECIFIC TESTS OR INSPECTIONS AS PART OF THE SPECIAL INSPECTION PROGRAM.
 - PERIODIC SPECIAL INSPECTION: THE PART TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT THE COMPLETION OF THE WORK, MAY BE ALLOWED WHEN COMING BACK TO THE WORK OR PRODUCT CAN BE DETERMINED AFTER BEING INCORPORATED INTO THE STRUCTURE.
 - CONTINUOUS SPECIAL INSPECTION: THE FULL TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED.

1705.4 MASONRY CONSTRUCTION

MINIMUM VERIFICATION	REQUIRED FOR QUALITY ASSURANCE			REFERENCE FOR CRITERIA	
	LEVEL 1	LEVEL 2	LEVEL 3	TMS 402	TMS 602
1. PRIOR TO CONSTRUCTION, VERIFICATION OF COMPLIANCE OF SUBMITTALS	R	R	R		ART. 1.5
2. PRIOR TO CONSTRUCTION, VERIFICATION OF f_m AND f_{ac} , EXCEPT WHERE SPECIFICALLY EXEMPTED BY THE CODE	NR	R	R		ART. 1.4.8
3. DURING CONSTRUCTION, VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) WHEN SELF-CONSOLIDATING GROUT IS DELIVERED TO THE PROJECT SITE	NR	R	R		ART. 1.5 AND 1.6.3
4. DURING CONSTRUCTION, VERIFICATION OF f_m AND f_{ac} FOR EVERY 5,000 SQUARE FEET	NR	NR	R		ART. 1.4.8
5. DURING CONSTRUCTION, VERIFICATION OF PROPORTIONS OF MATERIALS AS DELIVERED TO THE PROJECT SITE FOR PREPARED OR PREBLENDED MORTAR, PRESTRESSING GROUT, AND GROUT OTHER THAN SELF-CONSOLIDATING GROUT	NR	NR	R		ART. 1.4.8
MINIMUM SPECIAL INSPECTIONS	FREQUENCY			REFERENCE FOR CRITERIA	
	LEVEL 1	LEVEL 2	LEVEL 3	TMS 402	TMS 602
1. AS MASONRY CONSTRUCTION BEGINS, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:					
A. PROPORTIONS OF SITE-PREPARED MORTAR	NR	P	P		ART. 2.1.2.6.A AND 2.6.C
B. GRADE AND SIZE OF PRESTRESSING TENDONS AND ANCHORAGES	NR	P	P		ART. 2.4.8 AND 2.4.1
C. GRADE, TYPE, AND SIZE OF REINFORCEMENT, CONNECTORS, ANCHOR BOLTS, AND PRESTRESSING TENDONS AND ANCHORAGES	NR	P	P		ART. 3.4 AND 3.6.A
D. PRESTRESSING TECHNIQUE	NR	P	P		ART. 3.6.B
E. PROPERTIES OF THIN-BED MORTAR FOR AAC MASONRY	NR	CH ^(a)	P		ART. 2.1 C.1
F. SAMPLE PLAN, CONSTRUCTION	NR	P	C		ART. 1.6.D
2. PRIOR TO GROUTING, VERIFY THAT THE FOLLOWING ARE IN COMPLIANCE:					
A. GROUT SPACE	NR	P	C		ART. 3.2.D AND 3.2.F
B. PLACEMENT OF PRESTRESSING TENDONS AND ANCHORAGES	NR	P	P		ART. 2.4 AND 10.9
C. PLACEMENT OF REINFORCEMENT, CONNECTORS, AND ANCHOR BOLTS	NR	P	P		ART. 3.6 AND 3.8
D. PROPERTIES OF SITE-PREPARED GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS	NR	P	P		ART. 2.6.B AND 2.4 G.15
3. VERIFY COMPLIANCE OF THE FOLLOWING DURING CONSTRUCTION:					
A. MATERIALS AND PROCEDURES WITH THE APPROVED SUBMITTALS	NR	P	P		ART. 1.5
B. PLACEMENT OF MASONRY UNITS AND MORTAR JOINT CONSTRUCTION	NR	P	P		ART. 3.3.B
C. SIZE, LOCATION OF STRUCTURAL MEMBERS	NR	P	P		ART. 3.3.F
D. TYPE, SIZE, LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE AND MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION	NR	P	P		SEC. 1.2.1 (a), 8.2.1 AND 9.3.1
E. PREPARATION, CONSTRUCTION, AND PROTECTION OF MASONRY DURING COLLECTIVE WEATHER CONDITIONS BELOW 40 °F (OR NOT WEATHER (TEMPERATURE ABOVE 9 °F))	NR	C	C		SEC. 6.16.1.2
F. APPLICATION AND MEASUREMENT OF PRESTRESSING FORCE	NR	C	C		ART. 3.6.B
G. PLACEMENT OF GROUT AND PRESTRESSING GROUT FOR BONDED TENDONS IS IN COMPLIANCE	NR	C	C		ART. 3.5.A AND 3.6.C
H. PLACEMENT OF AAC MASONRY UNITS AND CONSTRUCTION OF THIN-BED MORTAR JOINTS	NR	CH ^(a)	P		ART. 3.3.B.3 AND 3.3.F.1
4. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS	NR	CH ^(a)	P		ART. 14.8.2.3.1.4, 9.2.3.1.4, 9.2.3.1.4, 14.8.3, AND 14.8.4